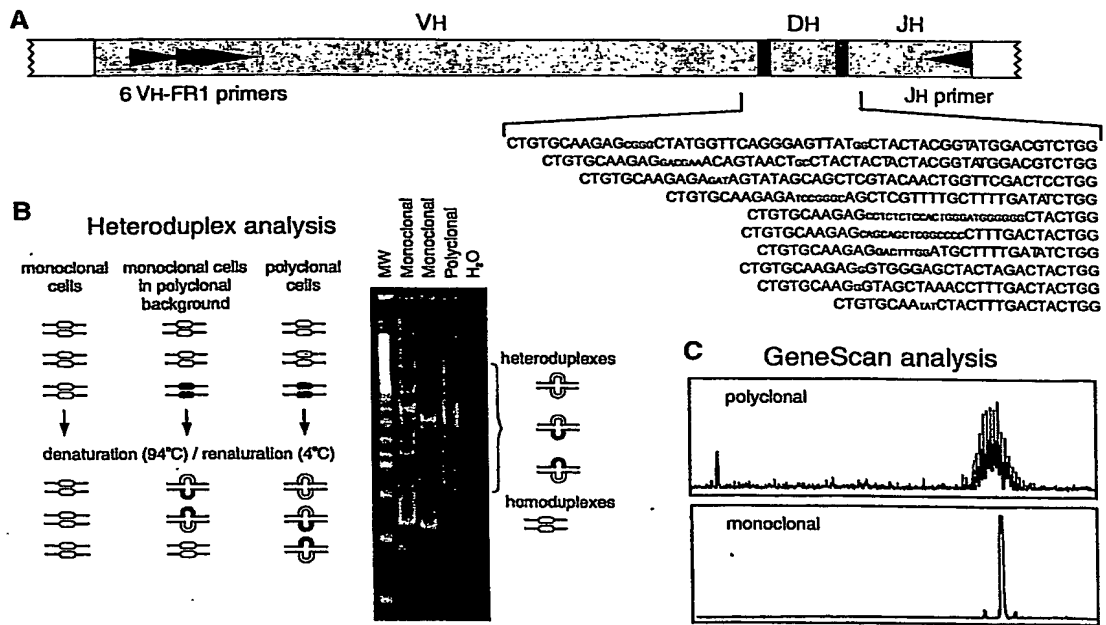
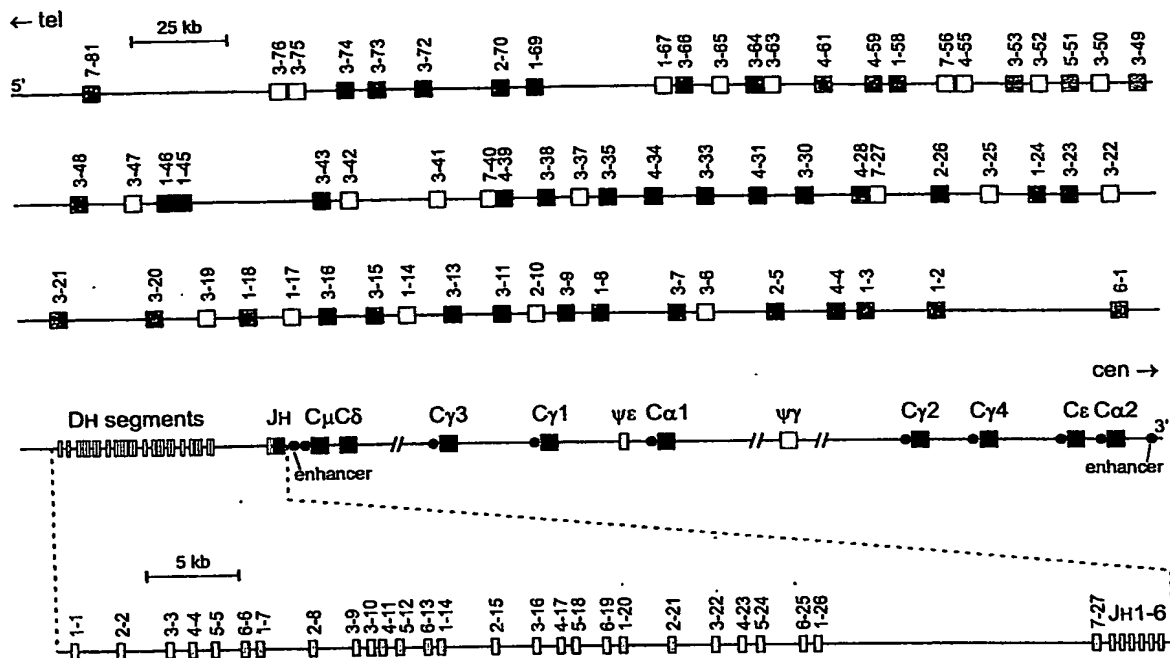


Figure 1



**Figure 2**

A. *IGH* gene complex (#14q32.3)

## B

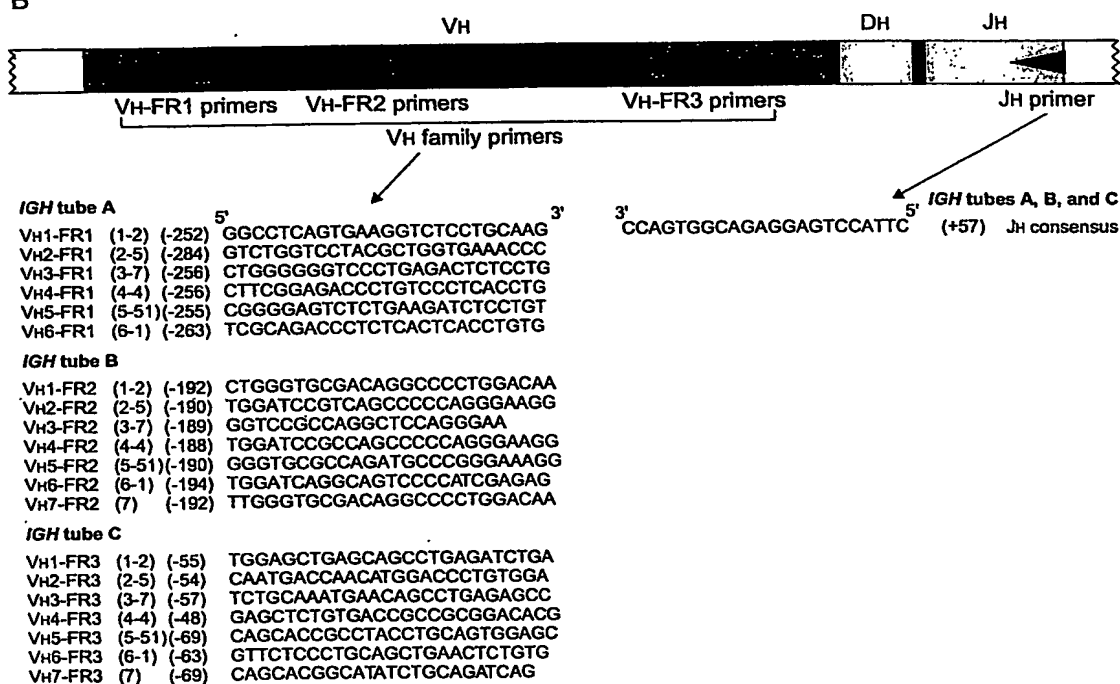


Figure 3 (A and B)

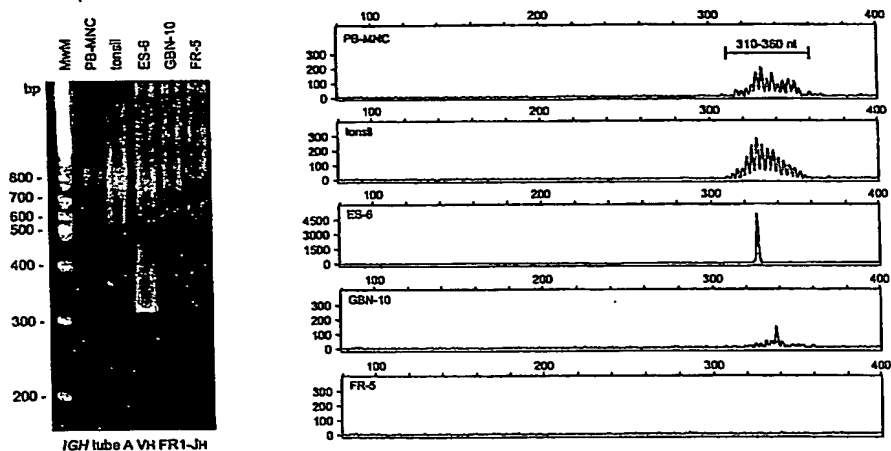
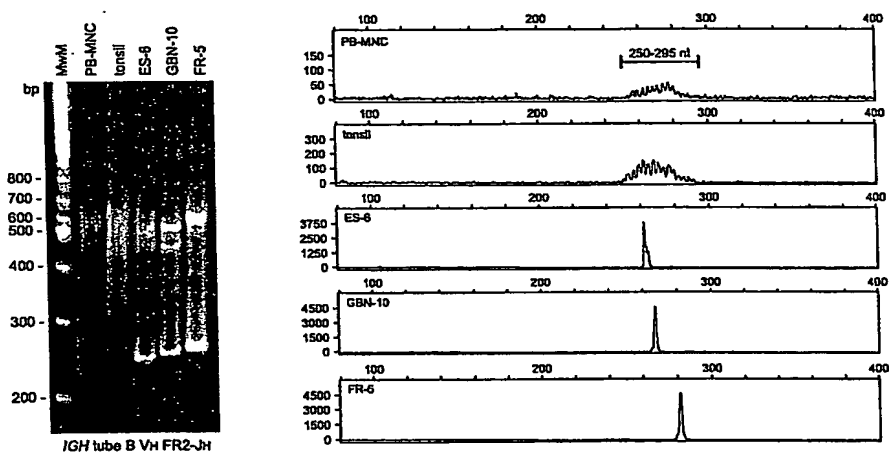
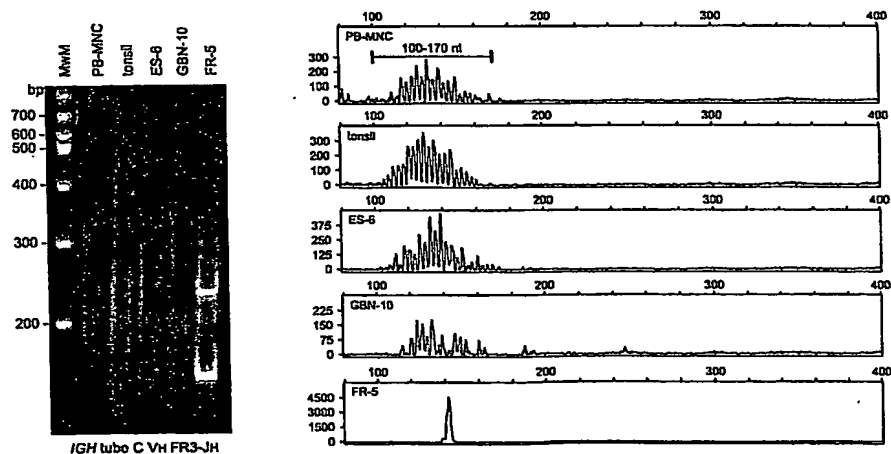
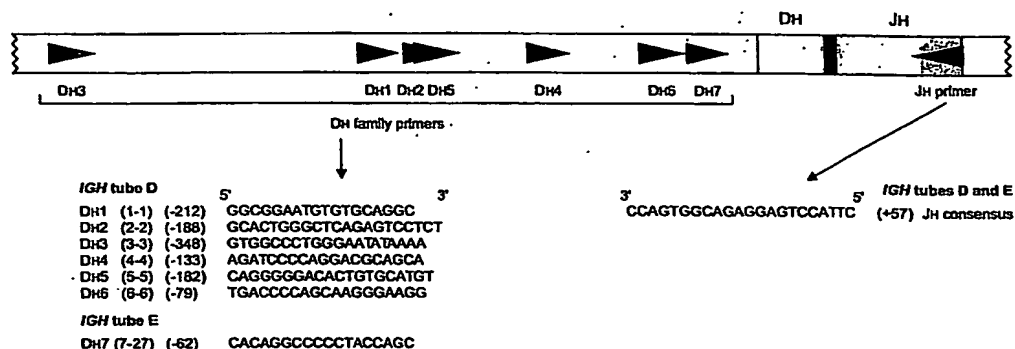
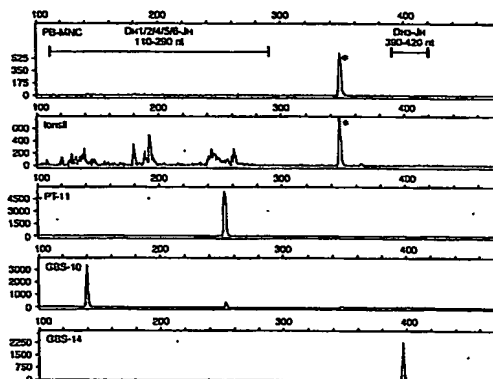
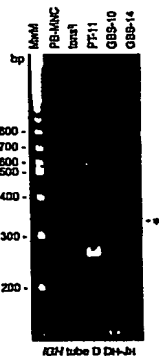
C. *IGH* tube A VH FR1-JHD. *IGH* tube B VH FR2-JHE. *IGH* tube C VH FR3-JH

Figure 3 (C, D and E)

A



B. IGH tube D DH-JH



C. IGH tube E DH7-JH

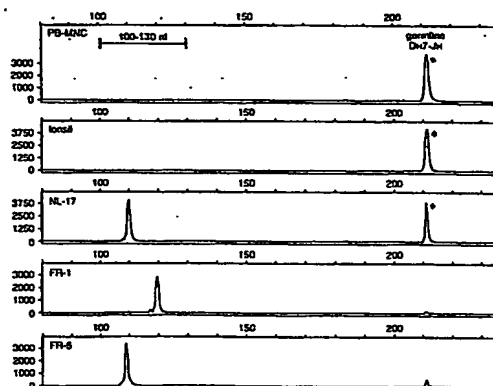
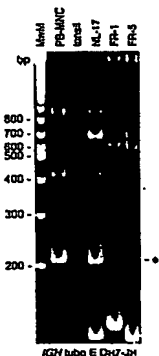
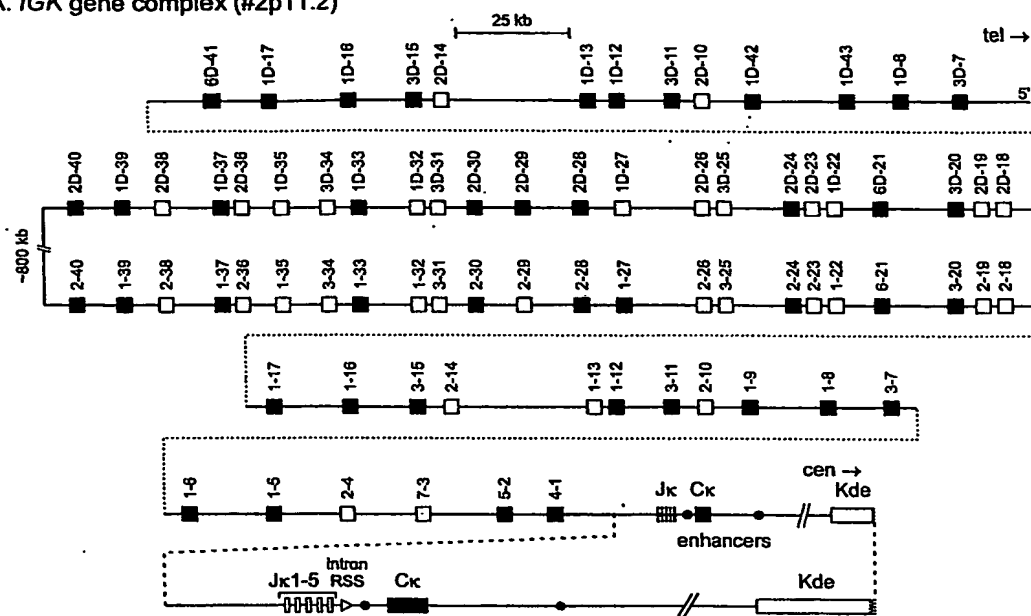


Figure 4 (A, B and C)

A. *IGK* gene complex (#2p11.2)

## B

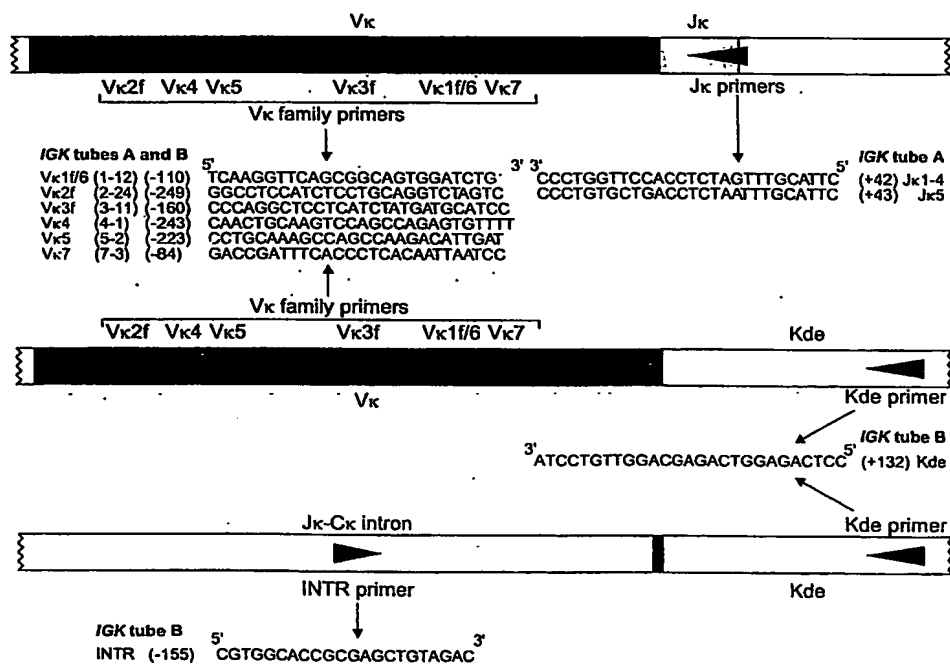


Figure 5 (A and B)

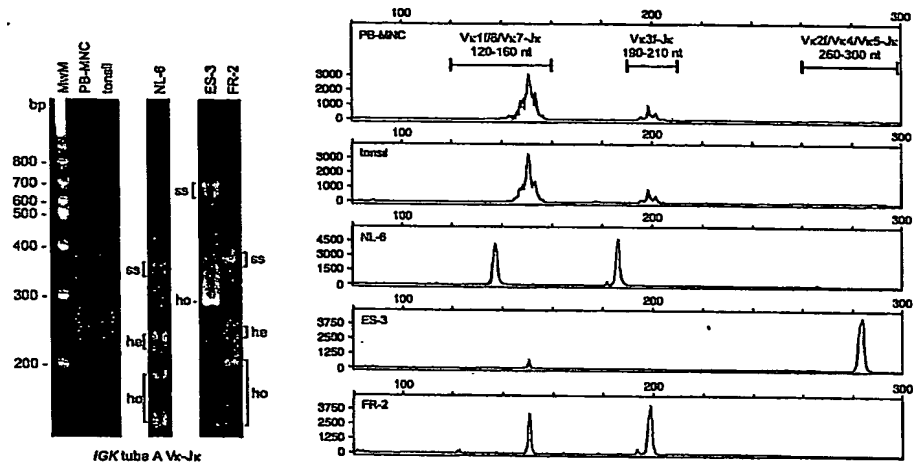
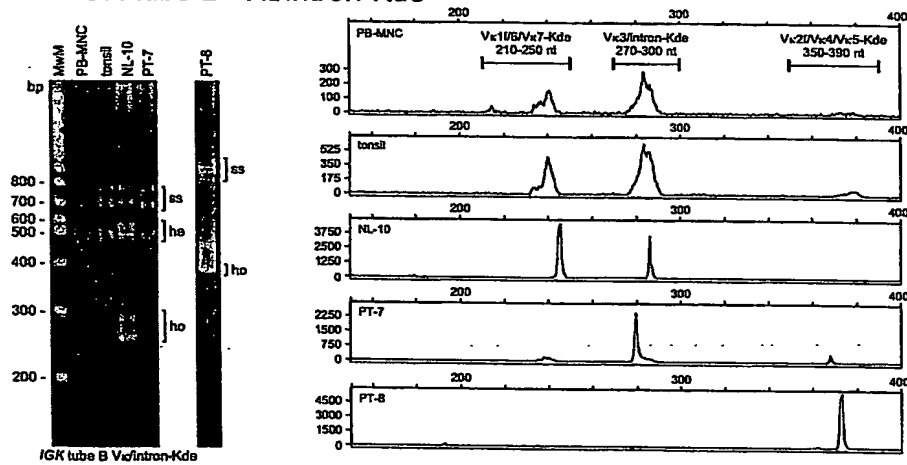
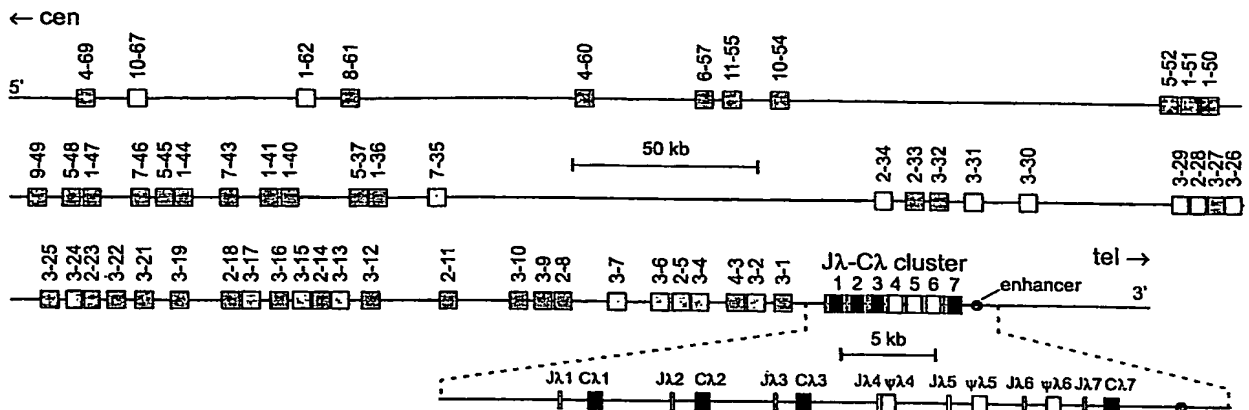
C. *IGK* tube A  $V_{\kappa}$ -J $\kappa$ D. *IGK* tube B  $V_{\kappa}$ /intron-Kde

Figure 5 (C and D)

A. *IGL* gene complex (#22q11.2)

## B

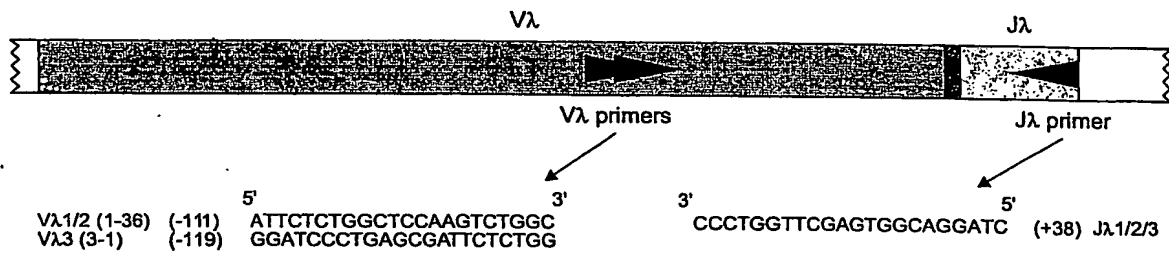
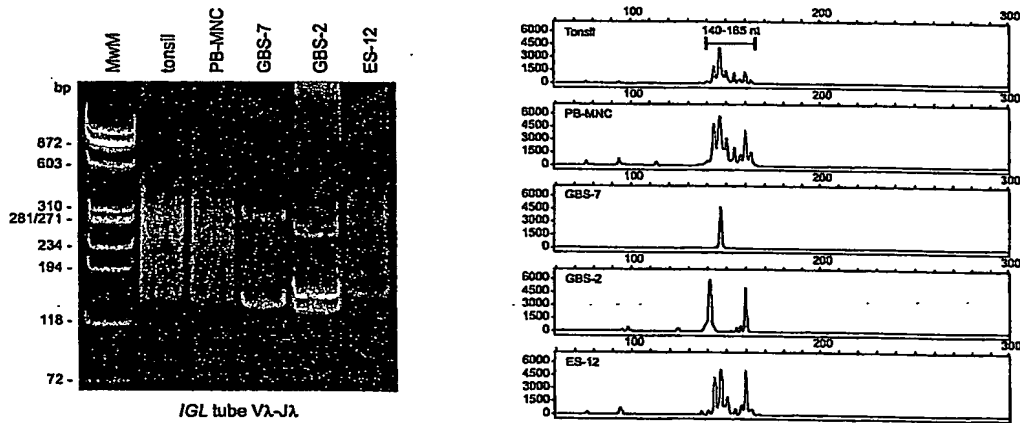
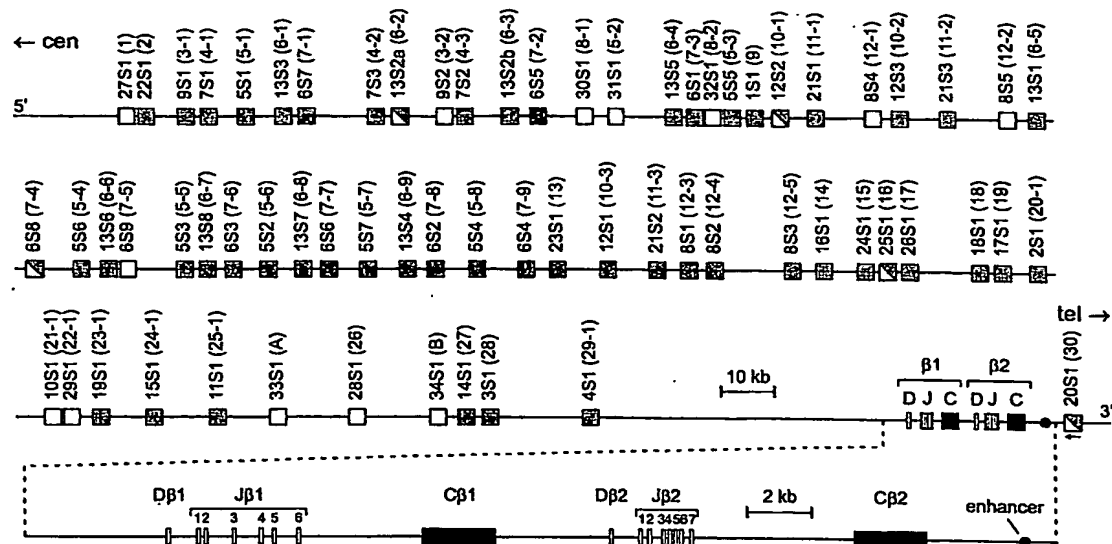
C. *IGL* tube Vλ-Jλ

Figure 6 (A, B and C)



A. *TCRB* gene complex (#7q34)

## B

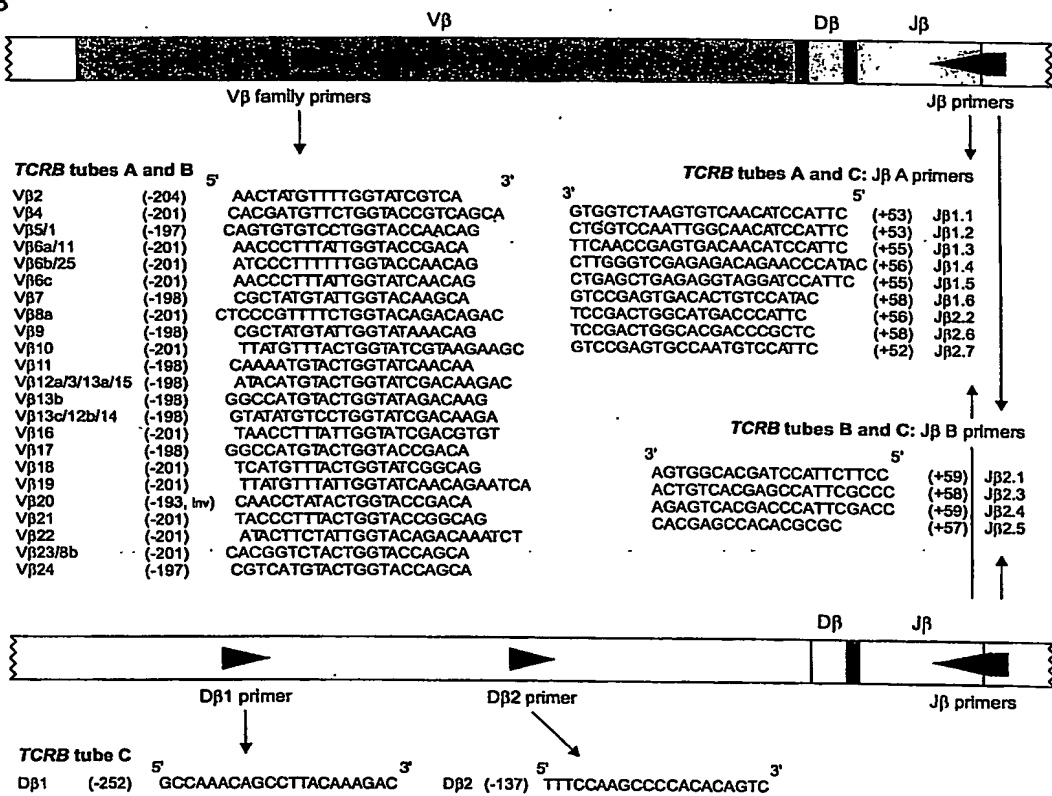


Figure 7 (A and B)

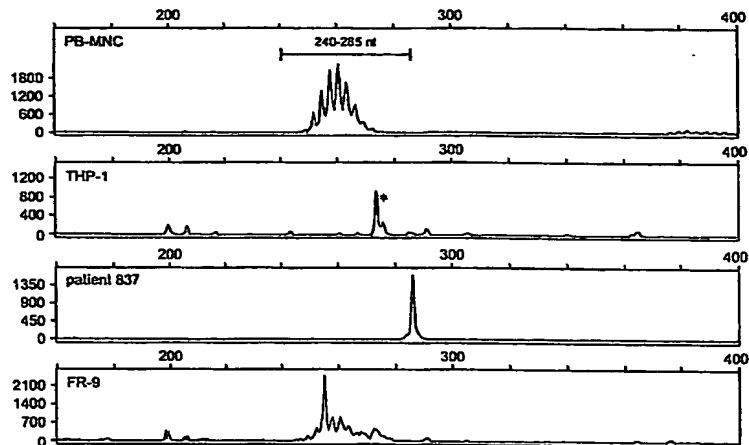
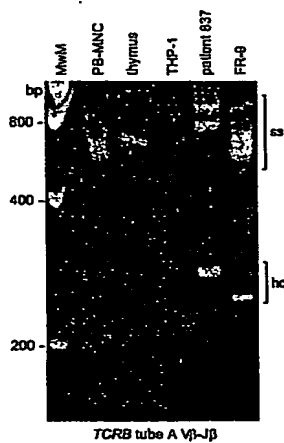
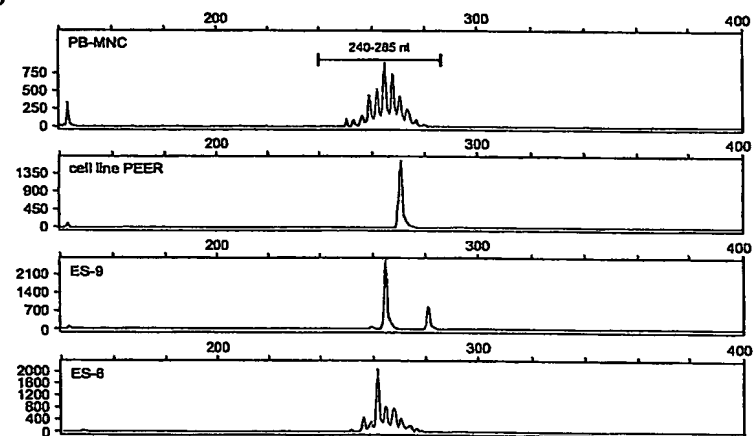
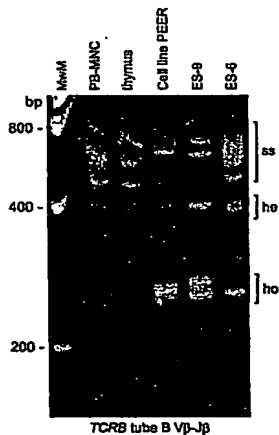
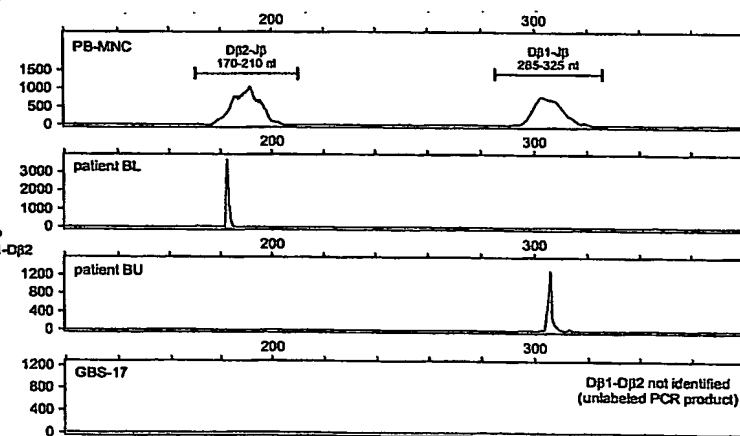
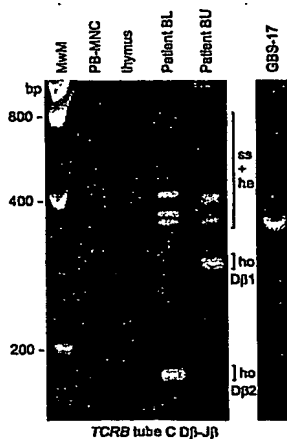
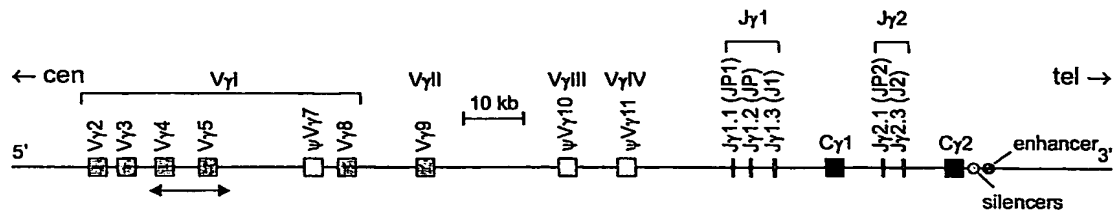
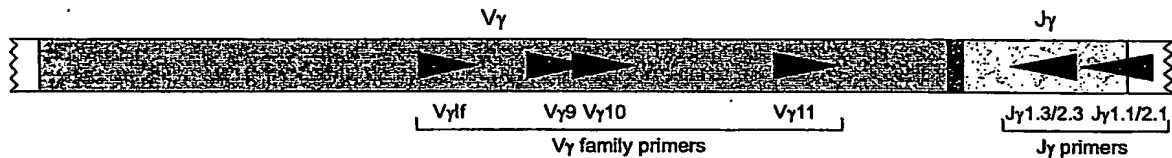
C. *TCRB* tube A V $\beta$ -J $\beta$ D. *TCRB* tube B V $\beta$ -J $\beta$ E. *TCRB* tube C D $\beta$ -J $\beta$ 

Figure 7 (C, D and E)

A. *TCRG* gene complex (#7p14)

## B



## TCRG tube A

Vγ1f (-178) 5' GGAAGGCCCCACAGCRTCCTT 3'  
 Vγ10 (-126) AGCATGGGTAAGACAAGCAA

## TCRG tube B

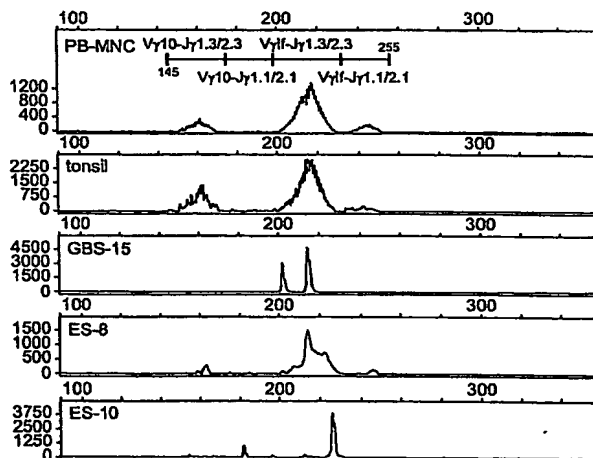
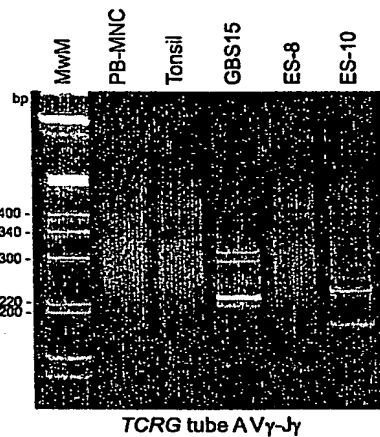
Vγ9 (-141) CGGCACTGTCAGAAAGGAATC  
 Vγ11 (-58) CTTCACCTCCACTTTGAAA

3' CGAGTATCATTGAAGCGGACCATT 5'  
 GAGAAACCGTCACCTTGTGTG

## TCRG tubes A and B

(+64) Jγ1.1/2.1 (JP1/2)  
 (+38) Jγ1.3/2.3 (Jγ1/2)

## C. TCRG tube A Vγ-Jγ



## D. TCRG tube B Vγ-Jγ

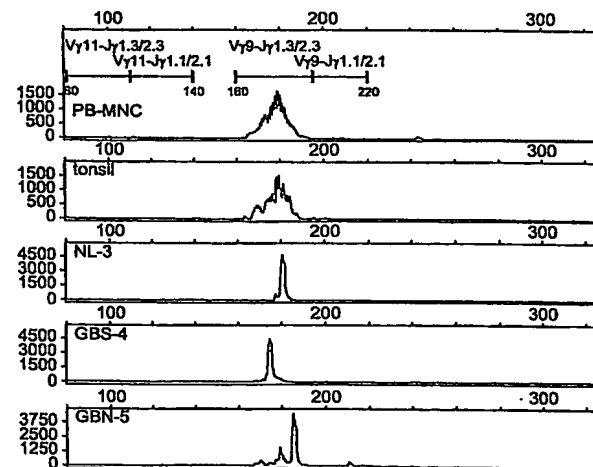
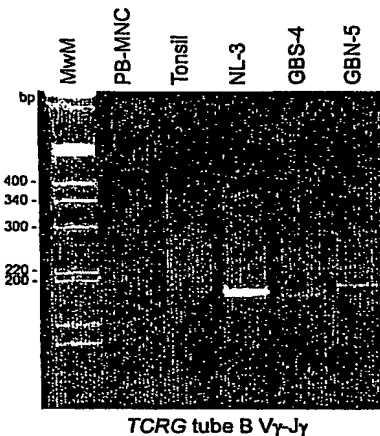


Figure 8 (A, B, C, and D)

[illegible]

**Vδ primers**

Vδ	5'	3'
Vδ1 (-118)	ATGCAAAAAGTGGTCGCTATT	
Vδ2 (-142)	ATACCGAGAAAAGGACATCTATG	
Vδ3 (-183)	GTACCGGATAAGGCCAGATTA	
Vδ4 (-130)	ATGACCAGCAAAATGCAACAG	
Vδ5 (-165)	ACCCTGCTGAAGGTCTACAT	
Vδ6 (-150)	CCCTGCATTATTGATAGCCAT	

**Jδ primers**

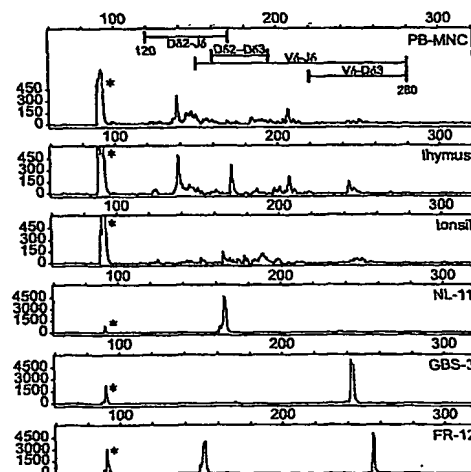
Jδ	3'	5'
Jδ1 (+48)	CTTGGGCACACTGACACCTTG	
Jδ2 (+51)	CTTGTTGTTGAGTAGCACCTTG	
Jδ3 (+64)	GAGAAGCACCTCGGGGCACTC	
Jδ4 (+44)	CCTTGGATAGACCTCCATGTT	

**Dδ2 Dδ3**

Dδ	5'	3'
Dδ2 (-77)	AGCGGGTGGTGATGGCAAAGT	

**Dδ2 Dδ3**

Dδ	3'	5'
Dδ3 (+88)	TATAGGAGTGGGACCCAGGGT	



**Figure 9 (A, B, and C)**

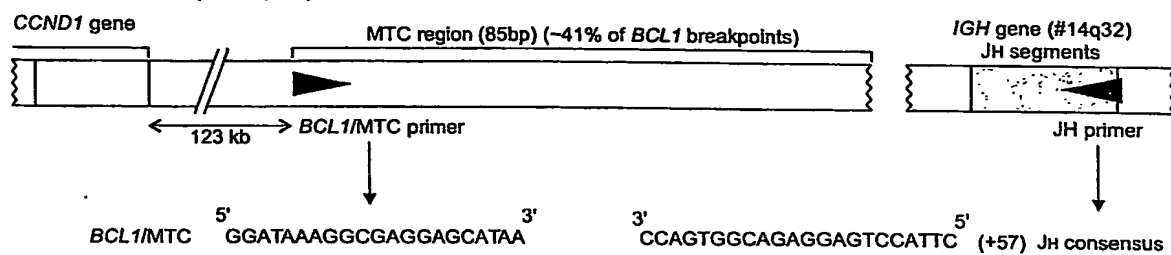
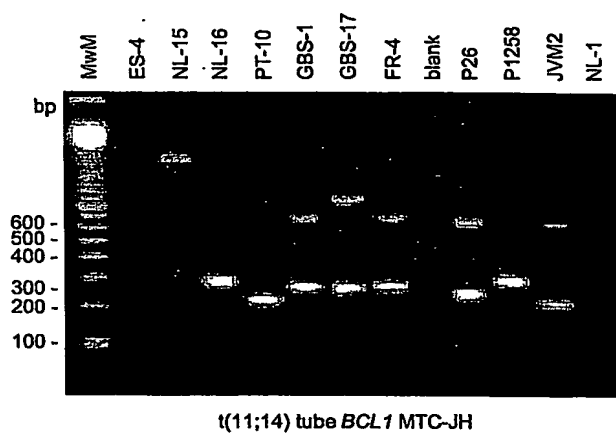
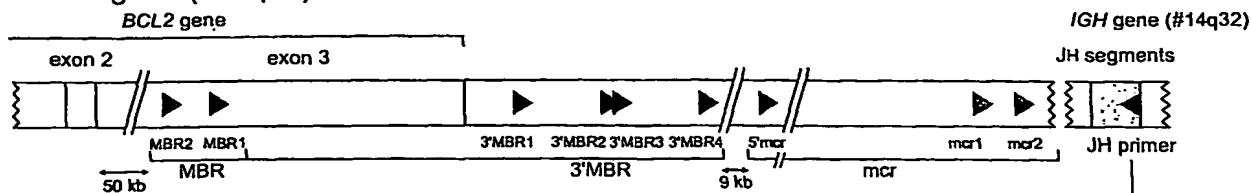
A. *BCL1* locus (#11q13)B. t(11;14) tube *BCL1* MTC-JH

Figure 10 (A and B)

A. *BCL-2* gene (#18q21)

t(14;18) tube A: MBR primers  
 MBR1 (3'end of exon 3) (-3072) 5' GACCAGCAGATTCAAATCTATGG 3'  
 MBR2 (3'end of exon 3) (-3575) ACTCTGTGGCATTATGCATTATAT  
 t(14;18) tube B: 3'MBR primers  
 3'MBR1 (3'end of exon 3) (+549) GCACCTGCTGGATACAACACTG  
 3'MBR2 (3'end of exon 3) (+1224) AAACCTAGCAGGGTGTGGTGGC (replaced by +1362; GGTGACAGAGCAAAACATGAACA)  
 3'MBR3 (3'end of exon 3) (+1819) GTAATGACTGGGGAGCAAACTCTT  
 3'MBR4 (3'end of exon 3) (+2550) ACTGGTTGGCGTGGTTAGAGA  
 t(14;18) tube C: mcr primers  
 5'mcr (3'end of exon 3) (+15681) CCTTCTGAAAGAAACGAAAGCA  
 mcr1 (file AF275873) (+1981) TAGAGCAAGCGCCCAATAAATA  
 mcr2 (file AF275873) (+2407) TGAATGCCATCTCAAATCCAA

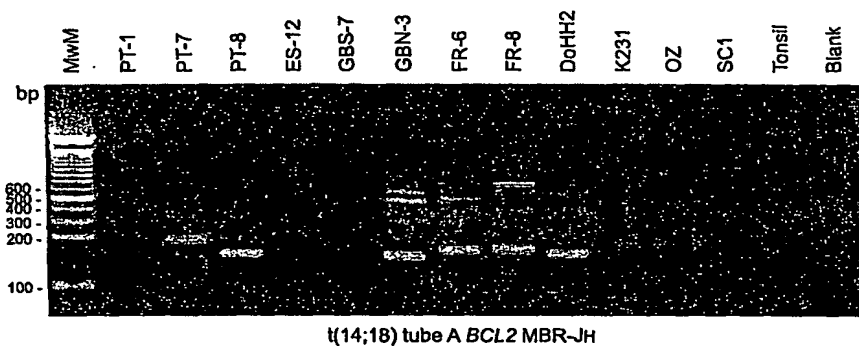
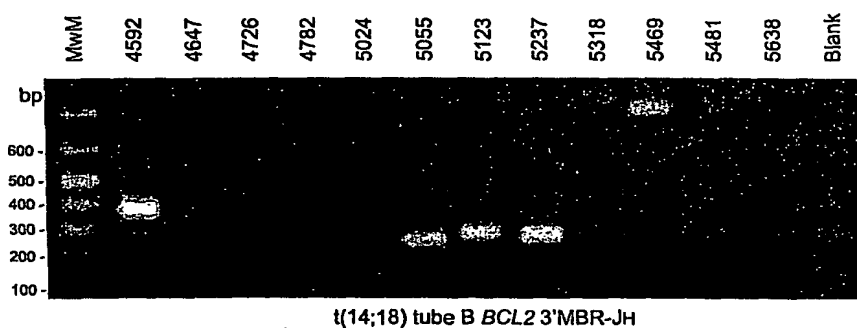
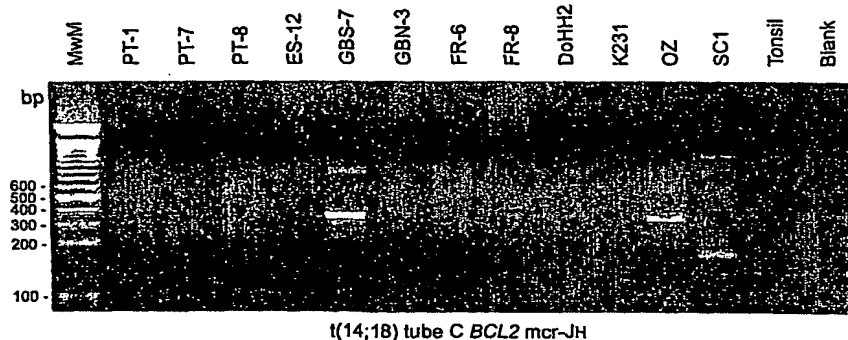
B. t(14;18) tube A *BCL2* MBR-JHC. t(14;18) tube B *BCL2* 3'MBR-JHD. t(14;18) tube C *BCL2* mcr-JH

Figure 11 (A, B, C, and D)

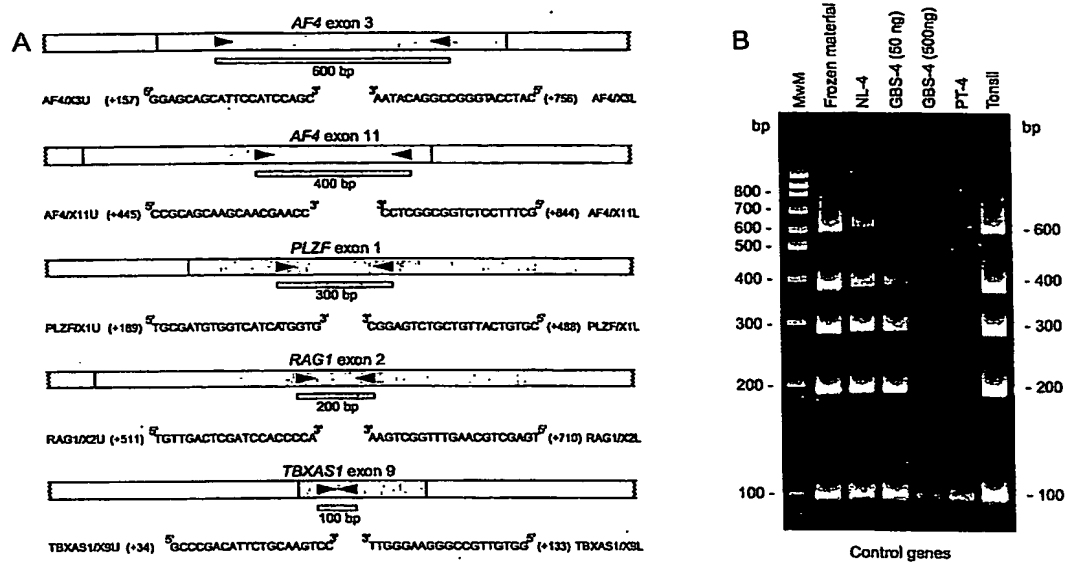


Figure 12 (A and B)

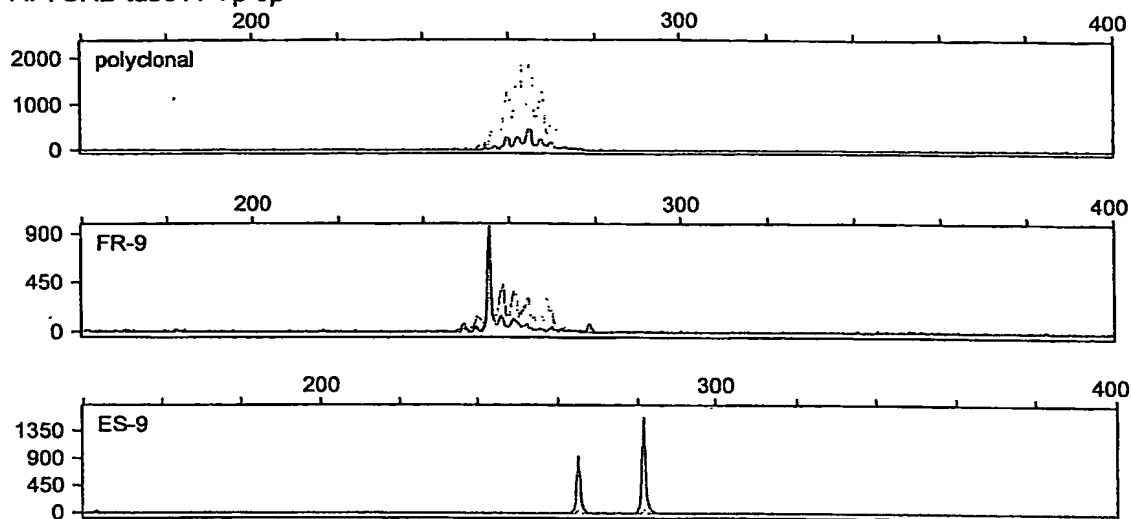
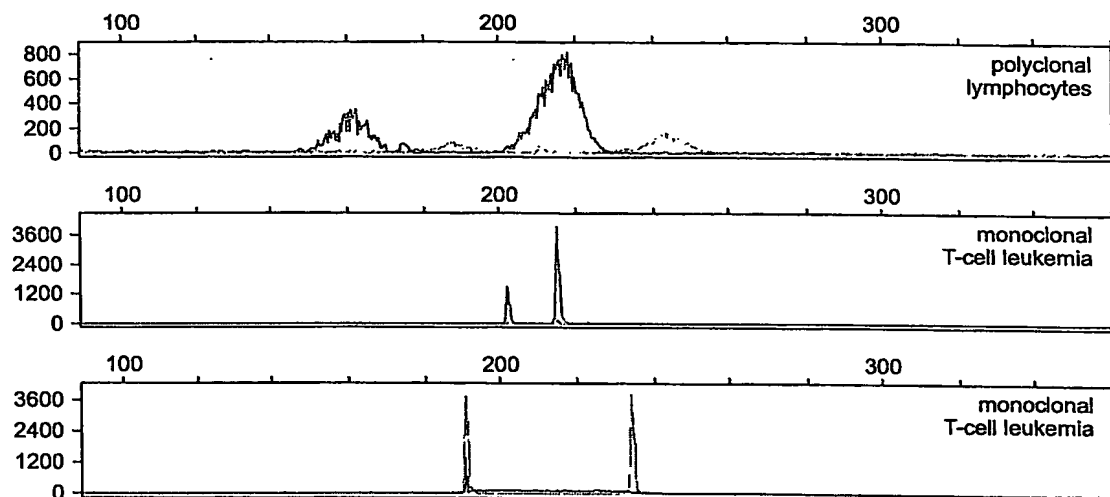
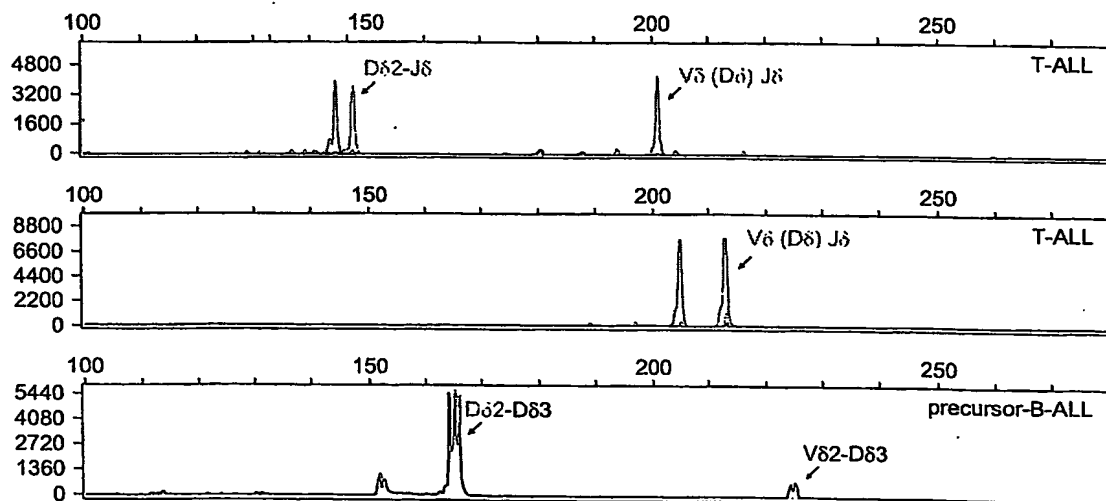
A. TCRB tube A V $\beta$ -J $\beta$ B. TCRG tube A V $\gamma$ -J $\gamma$ C. TCRD tube V $\delta$ -J $\delta$ /D $\delta$ -D $\delta$ -J $\delta$ 

Figure 13 (A, B and C)